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ATTORNEY'S DOCKET NO ARK007-144/011144

**TRANSMITTAL LETTER TO THE UNITED STATES ELECTED OFFICE (EO/US)
(ENTRY INTO U.S. NATIONAL PHASE UNDER CHAPTER II)**

International Application No. PCT/US03/00096)
)
International Filing Date: 2 January 2003)
)
Priority Date Claimed: 3 January 2002)
)
Title: Apparatus And Method For Nanoscale And)
MicroScale Mechanical Machining /Processing)
)
Applicant(s) Board of Trustees of the University of Arkansas)

Director for Patents
Attn EO/US
Mail Stop: New Applications/ PCT National Phase
P. O. Box 1450
Alexandria, VA 22313-1450

1. Applicant herewith submits to the United States Elected Office (EO/US) the following items under 35 USC § 371:
- (a) X This express request to immediately begin national examination procedures (35 USC § 371(f);
- (b) X The U.S. National Fee (35 USC § 371(c)(1) and other fees (37 CFR § 1.492) as indicated below

EXPRESS MAIL: Mailing Label No. *E13829935206*

Date of Deposit: *28 June 04*

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Director for Patents, P. O. Box 1450 Mail Stop: New Application, Alexandria, VA 22313-1450 by:

[Signature]

2. Fees

CLAIMS				
For	Number filed	Extra	Rate	Calculations
Total claims	12	0	x 18 =	385
Independent	3 - 3		x 80 =	
Multiple Dependent claims			+ 270	
BASIC FEE				
USPTO WAS INTERNATIONAL PRELIMINARY EXAMINATION AUTHORITY \$100 USPTO was IPEA and all claims presented satisfied PCT Article 33(2) to (4) \$690 all claims presented did not satisfy PCT Article 33(2) to (4) \$710 USPTO was ISA but not IPEA <u>USPTO was NEITHER ISA nor IPEA</u> \$1080 Search report <u>has not been</u> prepared by the EP Patent Office or the Japanese Patent Office \$920 Search report <u>has been</u> prepared by the EP Patent Office or the Japanese Patent Office				\$385
			Total for above	385
SMALL ENTITY				
Reduction by 1/2 for small entity. Applicant hereby declares small entity status under 35 USC 1.27				385
TOTAL NATIONAL FEE				
Assignment fee				
TOTAL FEES ENCLOSED				385

Method of Payment

X A check in the amount of \$385 to cover the above fees is enclosed.
 — Please charge Account No. _____ in the amount of US _____. A duplicate copy of the sheet is enclosed.

3. ☐ A copy of the International application as filed (35 USC § 371(c)(2):
 - a. ☐ is transmitted herewith
 - b. ☒ is not required, as the application was filed with the US Receiving Office.
 - c. ☐ has been transmitted
 - i. ☒ by the International Bureau. Date of mailing the application from form PCT/IB/308)
 - ii. ☐ by applicant on _____
4. ☒ A translation of the International application into the English language
 - a. ☐ is transmitted herewith.
 - b. ☒ is not required as the application was filed in English.
 - c. ☐ was previously transmitted by application on _____.
 - d. ☐ will follow.
5. ☒ Amendments to the claims of the International application under PCT Article 19
 - a. ☐ are transmitted herewith.
 - b. ☐ have been transmitted
 - i. ☐ by the International Bureau. Date of mailing _____.
 - ii. ☐ by applicant on _____.
 - c. ☒ have not been transmitted as
 - i. ☒ applicant chose not to make amendments under PCT Article 19. Date of mailing Search Report March 16, 2004.
 - ii. ☐ the time limit for the submission of amendments has not yet expired. The amendments or a statement that amendments have not been made will be transmitted before the expiration of the time limit under PCT Rule 46.1
6. ☒ A translation of the amendments to the claims under PCT Article 19
 - a. ☐ is transmitted herewith
 - b. ☐ is not required as the amendments were made in the English language.
 - c. ☒ has not been transmitted for reasons indicated at point 5(c) above.
7. ☒ A copy of international examination report (PCT/IPEA/409)
 - ☐ is transmitted herewith
 - ☒ is not required as the application was filed with the US Receiving Office. will follow upon request
8. ☒ Annexes to the international preliminary examination report
 - a. ☐ is/are transmitted herewith
 - b. ☒ is/are not required as the application was filed in the US Receiving Office.
9. ☒ A translation of the annexes to the international preliminary examination report
 - a. ☐ is transmitted herewith

- b XX is not required as the annexes are in the English language.
c will follow upon request
10. X An oath or declaration of the inventor (35 USC §)(4)) complying with 35 USC § 115
a — was previously submitted by applicant on _____
b. — is submitted herewith, and such oath or declaration
i — is attached to the application
ii — identified the application and any amendments under PCT Article 19 that were transmitted as stated in points 3(b) or 3(c) and 5(b) and states that they were reviewed by the inventor as required by 37 CFR § 1.70
iii X will follow

Other Documents or Information Included:

11. X An International Search Report or Declaration under PCT Article 17(2)(a):
a X is transmitted herewith.
b. — has been transmitted by the International Bureau on _____
c. — is not required, as the application was searched by the US ISA
d. — will be transmitted promptly upon request.
e. — has been submitted by applicant on _____
12. X An Information Disclosure Statement under 37 CFR § 1.97 and 1.98
a. X is transmitted herewith.
Also transmitted herewith is:
X Form PTO-1449
X Copies of citations listed.
b. — will be transmitted within THREE months of the date of submission.
c. — was previously submitted by applicant on _____
13. — Assignment document is transmitted herewith for recording.
— Separate COVER SHEET
— Assignee: _____
14. X Additional documents:
a. — Copy of request (PCT/RO/101)
b. X International Publication No. WO 03/057619A2
i. X Specification, claims and drawing
ii. Front page only
c. X Preliminary amendment (36 CFR § 1.121)
d. — Other
15. X The above check items are being transmitted
a X before 30 months from any claimed priority date.
b. — after 30 months.

16. ___ Certain requirements under 35 USC § 371 where previously submitted by the applicant on _____, namely
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AUTHORIZATION TO CHARGE ADDITIONAL FEES

XX The Commissioner is hereby authorized to charge the following additional fees that may be required by this paper and during the entire pendency of this application to Account No. 08-1500.

- XX 37 CFR § 1.492(a)(1)(2) (3) and (4) filing fees.
- XX 37 CFR § 1.492(b), (c) and (d) presentation of extra claims
- XX 37 CFR § 1.17 (application processing fees)
- XX 37 CFR § 1.17(a)(1-5) (Extension fees)
- XX 37 CFR § 1.492(e and (f) (surcharge fees for filing the declaration and/or filing an English translation of the international application later than 30 months after the priority date.

HEAD, JOHNSON & KACHIGIAN

Dated: 6/28/04

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